

SAFETY DATA SHEET
National Alkylbenzene 150

Version 1.0
Revision Date: 03.09.2013



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SECTION 1: IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

1.1. Product Identifier

Product name: National Alkylbenzene 150
EC Number: 272-472-8
REACH Registration Number:
CAS Number: 68855-24-3
If REACH registration numbers do not appear the substance is either exempt from registration, does not meet the minimum volume threshold for registration or the registration has not yet come due

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use: Refrigeration compressor lubrication
Advised Against: No specific use advised against.
Note: This material should not be used for any other purpose than the intended use above without expert advice.

1.3. Details of the supplier of the safety data sheet

Company name:
National Refrigerants Ltd.
4 Watling Close
Sketchley Meadows Business Park
Hinckley LE10 3EZ
Tel: +44(0)1455 630790
Fax: +44(0) 1455 630791
Email: sds@nationalref.com

1.4. Emergency telephone number

Emergency Tel: +44(0) 1865 407333

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance of mixture

Directives 67/458/EEC or 1999/45/EC: Not classified as hazardous under Directive 67/458/EEC or 1999/45/EC.
Regulation (EC) No. 1272/2008: Not classified as hazardous under Regulation 1272/2008/EC.

2.2. Label elements

Regulation (EC) No. 1272/2008
Directives 67/458/EEC or 1999/45/EC: Not classified as hazardous under Directive 67/458/EEC or 1999/45/EC.
Regulation (EC) No. 1272/2008: Not classified as hazardous under Regulation 1272/2008/EC.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Mixtures

Mixture of Benzene C14 –C30 Alkyl derivatives not classified as hazardous.

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SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

- Skin contact:** Remove contaminated clothing. Wash thoroughly with soap and water. Launder contaminated clothing. Obtain medical attention if irritation persists...
- Eye contact:** Remove contact lenses if applicable. Immediately flush with plenty of water for at least 15 minutes holding eyelids open. Obtain medical attention if irritation persists.
- Ingestion:** Do not induce vomiting. Rinse mouth out with water, and then drink one or two glasses of water. Obtain medical attention. Never give anything by mouth if victim is unconscious or is convulsing.
- Inhalation:** If symptoms develop move to fresh air. If symptoms persist obtain medical attention.

4.2. Most important symptoms and effects, both acute and delayed

- Skin contact:** Not a primary skin irritant but may cause skin irritation on repeated or prolonged contact.
- Eye contact:** Expected to cause no more than minor eye irritation.
- Ingestion:** May cause stomach distress, nausea or vomiting.
- Inhalation:** Avoid breathing vapour to mist. Under normal conditions, this product is not an inhalation hazard. Prolonged exposure to vapour may cause dizziness and headaches.

4.3. Indication of any immediate medical attention and special treatment needed

- Immediate/special treatment:** None.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media

- Extinguishing media:** Use water spray, dry chemical, foam or carbon dioxide to extinguish flames. Use water spray to cool fire-exposed containers. Water or foam may cause frothing.

5.2. Special hazards arising from the substance or mixture

- Special hazards arising from the mixture:** No data available.

5.3. Advice for fire-fighters

- Advice for fire-fighters:** Wear full protective clothing including self contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

- Personal precautions:** Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective equipment. Keep people away from and unwind of spill/leak.

6.2. Environmental precautions

- Environmental precautions:** Prevent entry into waterways, sewers, basements or confined areas.

6.3. Methods and material for containment and cleaning up

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Clean-up procedures: In case of small spills use inert absorbent material (e.g. Sand, sawdust or diatomaceous earth) to soak up the spilled product. Dispose of absorbent material in accordance with state or local regulations. Wash spill area with large amounts of water and detergent.

With larger spills dike the spill area for containment and recovery if possible. Place inert absorbent material onto the spillage. Dispose of absorbent material in accordance with state or local regulations. Wash spill area with large amounts of water and detergent. Prevent spill entering drains, waterways, sewers, rivers, basements etc. If a large quantity of this material enters the waterways contact the Environmental Protection Authority. In the event of a large spill or accidental release notify relevant authorities in accordance with all applicable local, state and national regulations.

6.4. Reference to other sections

Reference to other sections: Refer to Section 7 of SDS. Refer to Section 8 of SDS

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Handling requirements: Avoid contact with skin, eyes and clothing. Do not swallow.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: This product is hygroscopic. Keep container tightly sealed when not in use. Store in cool dry, well-ventilated area, out of direct sunlight. Keep away from open flames and other ignition sources.

Suitable packaging: Store in original packaging only. Misuse of empty containers can be hazardous. Do not cut, weld, heat or drill containers. Residue in the container may ignite if exposed to heat. Do not expose container to open flame or excess heat. Always keep container closed and caps in place.

7.3. Specific end use(s)

Specific end use(s) No data available

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

Hazardous ingredients: Mixture of proprietary alkyl benzenes.

Workplace exposure limits

State	8 hour TWA	15 min. STEL
UK	No Data Available	No Data Available

The threshold limit value (Exposure Standards) for oil mist is listed as 5 mg/m³

8.2. Exposure controls

Engineering measures: Use in well-ventilated area.

Respiratory protection: Where vapours or oil mists are generated and exposure standards are exceeded the use of

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personal respiratory protection equipment for organic solvents and oil mist, meeting NIOSH standards, or an adequate exhaust ventilation system is recommended.

Hand protection:	Strongly recommend protective gloves, especially if there is going to be prolonged exposure. Impervious material, such as nitrile, Viton or neoprene is recommended. (Consult reputable supplier) Gloves should be removed immediately if there is any indication of degradation or chemical breakthrough.
Eye protection:	Safety glasses with side shields or goggles are recommended
Skin protection:	Long sleeved clothing to minimize skin contact.
Environmental:	Prevent entry into waterways, sewers, basements or confined areas.
Derived No Effect Level (DNEL)	No data available
Predicted No Effect Concentration (PNEC)	No data available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

State:	Liquid
Colour:	Yellow
Odour:	Odourless
Flash Point:	175°C
Pour Point:	-45°C
Viscosity:	150 SUS at 100°F
Refractive Index:	1.4865

SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity: Stable under normal conditions of storage and handling.

10.2. Chemical stability

Chemical stability: Stable under normal conditions of storage and handling.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous polymerization will not occur.

10.4. Conditions to avoid

Conditions to avoid: Excessive heat or sources of ignition.

10.5. Incompatible material

Materials to avoid: Strong oxidizers.

10.6. Hazardous decomposition products

Hazardous decomposition products Carbon dioxide, carbon monoxide and other hazardous organic products.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Symptoms/routes of exposure

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Skin contact:	Based on test data, not expected to be a primary skin irritant.
Eye contact:	May cause minor irritation.
Ingestion:	May cause stomach distress, nausea or vomiting.
Inhalation:	Excessive intentional inhalation may cause respiratory tract irritation and central nervous system effects (headache, dizziness).
Sensitization:	Non-hazardous by WHHIS/OSHA criteria.
Chronic effects:	Non-hazardous by WHHIS/OSHA criteria.
Carcinogenicity:	Non-hazardous by WHHIS/OSHA criteria.
Mutagen city:	Non-hazardous by WHHIS/OSHA criteria.
Reproductive effects:	Non-hazardous by WHHIS/OSHA criteria.
Tetratogenicity:	Non-hazardous by WHHIS/OSHA criteria.

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity

Toxicity to fish:	No data available.
Toxicity to Aquatic plants:	No data available.
Acute Toxicity to aquatic plants:	No data available.
Ecotoxic values:	No data available.

12.2. Persistence and degradability

Persistence and degradability:	No data available.
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12.3. Bio accumulative potential

Bio-accumulative potential:	No data available.
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12.4. Mobility in soil

Mobility:	No data available.
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12.5. Results of PBT and vPvB assessment

PBT identification:	No data available.
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12.6. Other adverse effects

Other adverse effects:

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Disposal operations:	In case of small spills use inert absorbent material (e.g. Sand, sawdust or diatomaceous earth) to soak up the spilled product. Dispose of absorbent material in accordance with state or local regulations. Wash spill area with large amounts of water and detergent. With larger spills dike the spill area for containment and recovery if possible. Place inert absorbent material onto the spillage. Prevent spill entering drains, waterways, sewers, rivers, basements etc. If a large quantity of this material enters the waterways contact the Environmental Protection Authority. In the event of a large spill or accidental release notify relevant authorities in accordance with all applicable local, state and national regulations.
Disposal of packaging:	Dispose according to local or national regulations at a registered hazardous waste site.
N.B.	

SECTION 14. TRANSPORT INFORMATION

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14.1. ADR

UN Number: Not Applicable.
Proper Shipping Name: Not Applicable.
Class/Division: Not Applicable.
Tunnel Code: Not Applicable.
Hazard Identification Number: Not Applicable.
Labelling ADR: Not Applicable.
Further Information

14.2. IATA

UN Number: Not Applicable.
Proper Shipping Name: Not Applicable.
Class/Division: Not Applicable.
Hazard Identification Number: Not Applicable.
Further Information

14.3. IMDG

UN Number: Not Applicable.
Proper Shipping Name: Not Applicable.
Class/Division: Not Applicable.
Hazard Identification Number: Not Applicable.
Further Information:

SECTION 15. REGULATORY INFORMATION

15.1. Safety, health and environment regulations/legislation specific for the substance or mixture

15.2. Chemical Safety Assessment

No data available.

16. OTHER INFORMATION

Other information: This safety sheet is prepared in accordance with Commission Regulation (EU) No. 453/2010.
* Indicates text in SDS which has changed since the last revision.

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